ELSEVIER

Gene Structure and Expression

Vol. 1444, 1999

BIOCHIMICA ET BIOPHYSICA ACTA

BBA

Cumulative Contents

Information for Contributors vii

Regular papers

Molecular characterisation of plant cDNAs *BnMAP4Kα1* and *BnMAP4Kα2* belonging to the GCK/SPS1 subfamily of MAP kinase kinase kinase kinase
A.-S. Leprince, S. Jouannic, A. Hamal, M. Kreis and Y. Henry (France) 1

Structural properties of Friedreich's ataxia d(GAA) repeats
I.-S. Suen, J.N. Rhodes, M. Christy, B. McEwen, D.M. Gray and M. Mitas (USA) 14

An A/T-rich *cis*-element is essential for rat angiotensin II type 1A receptor transcription in vascular smooth muscle cells
K.B. Beason, C.G. Acuff, M.E. Steinhelper and T.S. Elton (USA) 25

Cloning and characterization of the zebrafish (*Danio rerio*) aryl hydrocarbon receptor
R.L. Tanguay, C.C. Abnet, W. Heideman and R.E. Peterson (USA) 35

Down-regulation of β1,4-galactosyltransferase gene expression by cell-cycle suppressor gene p16
S.W. Zhang, X.Y. Fu, S.L. Cao, Z.H. Shen and J.X. Gu (PR China) 49

A unique isoform of phospholipase Cβ4 highly expressed in the cerebellum and eye
F.M. Adamski, K.M. Timms and B.-H. Shieh (USA) 55

Analysis of the 5′ and 3′UTRs in the post-transcriptional regulation of the interleukin-5 gene
M.A. Thomas, S. Karlen, M. D'Ercole and C.J. Sanderson (Australia) 61

An isoform of Nurr1 functions as a negative inhibitor of the NGFI-B family signaling
N. Ohkura, T. Hosono, K. Maruyama, T. Tsukada and K. Yamaguchi (Japan) 69

Promoter papers

The *Streptomyces aureofaciens* homologue of the sporulation gene *whiH* is dependent on *rpoZ*-encoded σ factor
J. Kormanec, R. Nováková, D. Homerová and B. Ševčíková (Slovak Republic) 80

Transcriptional regulation by butyrate of mouse galectin-1 gene in embryonal carcinoma cells
Y. Lu and R. Lotan (USA) 85

Cloning and characterization of 5′-flanking region of mouse non-selective cation channel 1
K. Kutsuwada, J. Satoh, G. Ohki, S. Muto, M. Imai, M. Arakawa and M. Suzuki (Japan) 92

Cloning of the 11β-hydroxysteroid dehydrogenase (11β-HSD)-2 gene in the baboon: effects of estradiol on promoter activity of 11β-HSD-1 and -2 in placental JEG-3 cells
G.J. Pepe, W.A. Davies, K.-W. Dong, H. Luo and E.D. Albrecht (USA) 101

Structural analysis of human SCC antigen 2 promoter
Y. Sakaguchi, F. Kishi, A. Murakami, Y. Suminami and H. Kato (Japan) 111

Identification of the gene structure and promoter region of H^+-translocating inorganic pyrophosphatase in rice (*Oryza sativa* L.)
Y. Sakakibara, K. Kasamo, H. Kobayashi, I. Kusakabe and S. Kawasaki (Japan) 117

Short sequence-papers

Molecular characterization of cDNA for phospholipase A_2-activating protein
A.K. Chopra, D.A. Ribardo, T.G. Wood, D.J. Prusak, X.-J. Xu and J.W. Peterson (USA) 125

cDNA cloning and expression of *Bacillus thuringiensis* Cry1Aa toxin binding 120 kDa aminopeptidase N from *Bombyx mori*
K. Yaoi, K. Nakanishi, T. Kadotani, M. Imamura, N. Koizumi, H. Iwahana and R. Sato (Japan) 131

Molecular cloning, expression and localization of human 105 kDa heat shock protein, hsp105
K. Ishihara, K. Yasuda and T. Hatayama (Japan) 138
Structure, expression profile and chromosomal location of an isolog of DNA-PKcs interacting protein (KIP) gene
N. Seki, A. Hattori, A. Hayashi, S. Kozuma, M. Ohira, T. Hori and T. Saito (Japan) 143
Structure and expression of a novel human FGF, FGF-19, expressed in the fetal brain
T. Nishimura, Y. Utsunomiya, M. Hoshikawa, H. Ohuchi and N. Itoh (Japan) 148

Regular papers

Molecular cloning of a cDNA encoding 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase from liver of *Sparus aurata*: nutritional regulation of enzyme expression
I. Metón, A. Caseras, D. Mediavilla, F. Fernández and I.V. Baanante (Spain) 153
Identification of DNA polymorphisms associated with the V type α_1-antitrypsin gene
M.-C. Gaillard, R. Mahadeva and D.A. Lomas (South Africa, UK) 166
Stabilization of poly-L-lysine/DNA polyplexes for in vivo gene delivery to the liver
D.Y. Kwoh, C.C. Coffin, C.P. Lollo, J. Jovenal, M.G. Banaszczyk, P. Mullen, A. Phillips, A. Amini, J. Fabrycki, R.M. Bartholomew, S.W. Brostoff and D.J. Carlo (USA) 171
ATF-2-binding regulatory element is responsible for the Ly49A expression in murine T lymphoid line, EL-4
S. Kubo, R. Nagasawa, H. Nishimura, K. Shigemoto and N. Maruyama (Japan) 191
Induction of AT-specific DNA-interstrand crosslinks by bizelesin in genomic and simian virus 40 DNA
J.M. Woynarowski, W.G. Chapman, C. Napier and M.C.S. Herzig (USA) 201
Identification and characterization of a zinc finger gene (ZNF213) from 16p13.3
X. Chen, M. Hamon, Z. Deng, M. Centola, R. Sood, K. Taylor, D.L. Kastner and N. Fischel-Ghodsian (USA) 218
Functional studies by site-directed mutagenesis on the role of Sp1 in the expression of the pyruvate kinase M and aldolase A genes
R. Netzker, D. Fabian, C. Weigert and K.A. Brand (Germany) 231

Promoter papers

Promoter and exon–intron structure of the protein kinase C gene from the marine sponge *Geodia cydonium*: evolutionary considerations and promoter activity
J. Seack, M. Kruse, I.M. Müller and W.E.G. Müller (Germany) 241
Cloning and characterization of the promoters of the maxiK channel α and β subunits
P.D.K. Dhulipala and M.I. Kotlikoff (USA) 254

Rapid report

Kinetoplast DNA minicircles of *Leishmania donovani* express a protein product
N. Singh and A.K. Rastogi (India) 263

Short sequence-papers

Cloning and characterisation of a novel *ompB* operon from *Vibrio cholerae* 569B
L.A. Tow and V.E. Coyne (South Africa) 269
Characterization and expression of the cDNA encoding a new kind of phospholipid transfer protein, the phosphatidylglycerol/phosphatidylinositol transfer protein from *Aspergillus oryzae*: evidence of a putative membrane targeted phospholipid transfer protein in fungi
E. Record, S. Moukha and M. Asther (France) 276
Molecular cloning of cDNA encoding human Rab3D whose expression is upregulated with myeloid differentiation
H. Nishio, T. Suda, K. Sawada, T. Miyamoto, T. Koike and Y. Yamaguchi (Japan) 283
Cloning of a novel gene specifically expressed in clonal mouse chondroprogenitor-like EC cells, ATDC5
H. Akiyama, Y. Hiraki, C. Shigeno, H. Ito, J. Kawai, J. Konishi, Y. Shimizu and T. Nakamura (Japan) 291
Expression of novel alternatively spliced isoforms of the oct-1 transcription factor
J. Riss and R. Laskov (Israel) 295
Conserved domains and lack of evidence for polyglutamine length polymorphism in the chicken homolog of the Machado-Joseph disease gene product ataxin-3
I. Linhartová, M. Repitz, P. Dráber, M. Nemec, G. Wiche and F. Propst (Austria, Czech Republic) 299
Sequence analysis and expression of a mouse homolog of human IκBL gene
M.E. Handel-Fernandez and V. Vincek (USA) 306

Erratum

Erratum to: 'The human *Pim-2* proto-oncogene and its testicular expression'
D. Baytel, S. Shalom, I. Madgar, R. Weissenberg and J. Don (Israel) 312

Regular papers

Characterization and expression of the mouse Hsc70 gene
C.R. Hunt, A.J. Parsian, P.C. Goswami and C.A. Kozak (USA) 315
Cloning and functional expression of the cytoplasmic form of rat aminopeptidase P
G. Czirják, W.A. Burkhart, M.B. Moyer, J. Antal, S.B. Shears and P. Enyedi (Hungary, USA) 326
Recent and rapid amplification of the sperm basic nuclear protein genes in winter flounder
C.E. Watson and P.L. Davies (Canada) 337
Cloning and characterization of the rat and human phosducin-like protein genes: structure, expression and chromosomal localization
C. Thibault, J. Feng Wang, R. Charnas, D. Mirel, S. Barhite and M.F. Miles (USA) 346
The effect of template RNA structure on elongation by HIV-1 reverse transcriptase
B.I.F. Klasens, H.T. Huthoff, A.T. Das, R.E. Jeeninga and B. Berkhout (The Netherlands) 355
Enhancement of UV-induced cytotoxicity by the adeno-associated virus replication proteins
C. Zhou, Q. Yang and J.P. Trempe (USA) 371
memA/DRS, a putative mediator of multiprotein complexes, is overexpressed in the metastasizing human melanoma cell lines BLM and MV3
W.G.J. Degen, M.A. Agterbos, J.P.P. Muyrers, H.P.J. Bloemers and G.W.M. Swart (The Netherlands) 384
Molecular cloning and characterization of the human topoisomerase IIα and IIβ genes: evidence for isoform evolution through gene duplication
J.-H. Sng, V.J. Heaton, M. Bell, P. Maini, C.A. Austin and L.M. Fisher (UK) 395

Promoter papers

Structure and promoter region of the surface membrane protein HS9 gene expressed on the thymic epithelial cells
H. Miyazawa, T. Takeuchi and H. Yamamoto (Japan) 407
Characterization of the promoter for the gene encoding the aflatoxin biosynthetic pathway regulatory protein AFLR
K.C. Ehrlich, J.W. Cary and B.G. Montalbano (USA) 412

Short sequence-papers

Molecular cloning and biochemical characterization of a truncated, secreted member of the human family of Ca^{2+}-activated Cl^- channels
A.D. Gruber and B.U. Pauli (USA) 418
The *Bacillus stearothermophilus* replicative helicase: cloning, overexpression and activity
L.E. Bird and D.B. Wigley (UK) 424
Cloning, expression, and purification of *Bacillus stearothermophilus* DNA primase and crystallization of the zinc-binding domain
H. Pan, L.E. Bird and D.B. Wigley (UK) 429
Cloning of the gene gob-4, which is expressed in intestinal goblet cells in mice
T. Komiya, Y. Tanigawa and S. Hirohashi (Japan) 434
Characterization of a hexokinase encoding cDNA of the parasitic nematode *Haemonchus contortus*
H.-P. Schmitt-Wrede, A. Waldraff, J. Krücken, A. Harder and F. Wunderlich (Germany) 439
Expression of novel homeobox genes in early embryogenesis in rice
Y. Ito, M. Eiguchi and N. Kurata (Japan) 445
Sequence and molecular analysis of the *Rhizobium etli glsA* gene, encoding a thermolabile glutaminase
J. Calderón, A. Huerta-Saquero, G. Du Pont and S. Durán (Mexico) 451

Cumulative Contents, Vol. 1444 457

Author Index 461